

IN THE CLAIMS:

1.-8. (Cancelled)

9. (New) An automatic transmission system for a vehicle having an engine, comprising:

a gear-type transmission having a plurality of gears and a plurality of claw clutches to transmit a torque between an input shaft and an output shaft of said gear-type transmission;

said gear-type transmission being operative to change transmission courses by at least one of engaging with and disengaging from said gears and said claw clutches, and to another transmission course via a torque controller operatively arranged between said input shaft and said output shaft of said gear-type transmission during a period between a first transmission course, and a second transmission course formed by said gears and said claw clutches; wherein

the automatic transmission system comprising further an oil pressure switch; and

a signal of said hydraulic pressure switch changes when an oil pressure for operating said torque controller increases above a required value.

10. (New) An automatic transmission system according to claim 9, wherein in accordance with said oil pressure switch, it is judged that said oil pressure for driving said torque controller increases than a proper value, an engine torque is made to lower and a release for said claw clutch of said first transmission clutch is made to quicken.

11. (New) An automatic transmission system according to claim 10, wherein by closing a throttle valve of said engine, said engine torque is made to lower.

12. (New) An automatic transmission system according to claim 10, wherein by controlling an ignition time period of said engine, said engine torque is made to lower.

13. (New) An automatic transmission system according to claim 9, wherein a time for changing said signal of said oil pressure switch from a command generation of said oil pressure is learned.

14. (New) An automatic transmission system according to claim 9, wherein when said signal of said oil pressure switch changes under a condition different from during a gear shift control, it is judged as a failure of an oil pressure switch circuit, and a control of said torque controller is prohibited.